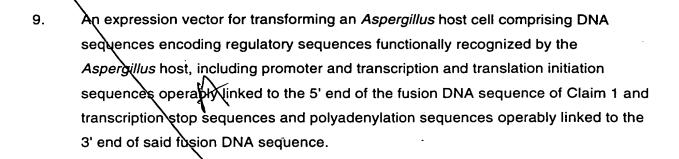
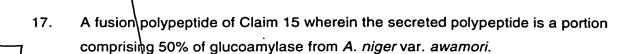
## What is Claimed is:

- 1. A fusion DNA sequence encoding a fusion polypeptide comprising from the 5' end of said fusion DNA sequence:
  - a) ONA encoding a signal peptide functional in Aspergillus;
  - b) DNA encoding a secreted polypeptide or portion thereof normally secreted from Aspergillus;
  - c) optionally DNA encoding a cleavable linker polypeptide; and
  - d) DNA encoding a desired glycosyltransferase.
- 2. A fusion DNA sequence of Claim 1 wherein the desired glycosyltransferase is selected from the group consisting of sialyltransferase, galactosyltransferase and fucosyltransferase.
- 3. A fusion DNA sequence of Claim 1 wherein the signal peptide is selected from the group consisting of signal peptides from glucoamylase, α-amylase, and aspartyl protease from *Aspergillus* species and signal peptides from *Trichoderma* cellobiohydrolase I and II, and endoglucanase I and II.
- 4. A fusion DNA of Claim 3 wherein the signal peptide is the signal peptide from A. niger var. awamori glucoamylase.
- 5. A fusion DNA of Claim 1 wherein the secreted polypeptide or portion thereof is glucoamylase from *Aspergillus*.
- 6. A fusion DNA of Claim 5 wherein the secreted polypeptide is the full length mature glucoamylase from *A. niger* var. *awamori*.
- 7. A fusion DNA of Claim 5 wherein the secreted polypeptide is a portion comprising 50% of glucoamylase from *A. niger* var. *awamori*.
- 8. A fusion DNA of Claim 1 wherein the signal peptide comprises the signal peptide of A. niger var. awamori glucoamylase, the secreted polypeptide or portion thereof comprises glucoamylase from A. niger var. awamori, and the desired transferase is selected from the group consisting of sialyltransferase, galactosyltransferase and fucosyltransferase.



- 10. An Aspergillus containing an expression vector of Claim 9.
- 11. A fusion polypeptide comprising from the 5' end:
  - a) an amino acid sequence encoding a signal peptide functional in Aspergillus;
  - b) an amino acid sequence encoding a secreted polypeptide or portion thereof normally secreted from *Aspergillus*;
  - c) optionally an amino acid sequence encoding a cleavable linker; and
  - d) an amino acid sequence encoding a desired glycosyltransferase.
- 12. A fusion polypeptide of Claim 11 wherein the desired glycosyltransferase is selected from the group consisting of sialyltransferase, galactosyltransferase and fucosyltransferase.
- 13. A fusion polypeptide of Claim 11 wherein the signal peptide is selected from the group consisting of signal peptides from glucoamylase, α-amylase, and aspartyl protease from Aspergillus species and signal peptides from Trichoderma cellobiohydrolase I and II, and endoglucanase I and II.
- 14. A fusion polypertide of Claim 13 wherein the signal peptide is the signal peptide from *A. niger* var. awamori glucoamylase.
- 15. A fusion polypeptide of Claim 11 wherein the secreted polypeptide or portion thereof is glucoamylase from *Aspergillus*.
- 16. A fusion polypeptide of Claim 15 wherein the secreted polypeptide is the full length mature glucoamylase from *A. niger* var. *awamori*.



A fusion polypeptide of Claim 11 wherein the signal peptide comprises the signal peptide of A. niger var. awamori glucoamylase, the secreted polypeptide or portion thereof comprises glucoamylase from A. niger var. awamori, and the desired glycosyltransferase is selected from the group consisting of sialyltransferase, galactosyltransferase and fucosyltransferase.